Journal of Clinical Ultrasound
Contents
Volume 36, 2008

Volume 36, Number 1, January 2008

RESEARCH ARTICLES

1 **Volumes of Normal Ovaries, Ovaries with Benign Lesions, and Ovaries with Cancer in Menopausal Women: Is There an Optimal Cut-off Value to Predict Malignancy?**

Rami Aviram, MD, Gilad Gassner, MD, Ofer Markovitch, MD, Ilan Cohen, MD, Ami Fishman, MD, and Ronnie Tepper, MD

6 **Sonographically Guided Fine Needle Aspiration of Thyroid Nodule: Discrepancies between Cytologic and Histopathologic Findings**

Young Hen Lee, MD, Nam Joon Lee, MD, Jung Hyuk Kim, MD, Sang-il Suh, MD, Taik-Kun Kim, MD, and Jae Jun Song, MD

12 **Does Diagnostic Sonography Alter Thyroid and Parathyroid Hormone Levels?**

Erdinc Serin, MD, Kamil Gurel, MD, Aysu Kiyan, MD, Murat Caglayan, MD, and Erdal Karavas, MD

16 **Phase Inversion Harmonic Imaging Improves Assessment of Renal Calculi: A Comparison with Fundamental Gray-Scale Sonography**

Hüseyin Özdemir, MD, Mustafa Kemal Demir, MD, Osman Temizöz, MD, Hakan Genchellac, MD, and Ercument Unlu, MD

20 **Intraoperative Sonography in Patients with Colorectal Cancer and Resectable Liver Metastases on Preoperative FDG-PET-CT**

Stephan M. Wildi, MD, Christoph Gubler, MD, Thomas Hany, MD, Henrik Petrowsky, MD, Pierre A. Clavien, MD, Wolfram Jochum, MD, Tilman Gerlach, MD, Michael Fried, MD, and Beat Mullhaupt, MD

27 **Sonography of Chronic Achilles Tendinopathy: A Case–Control Study**

John L.Y. Leung, MBBS (HK), FRCR (UK), FHKCR, FHKAM (Radiology), and James F. Griffith, MB BCh, BAO (Ireland), MRCP (UK), FRCR, FHKCR, FHKAM (Radiology)

LETTER TO THE EDITOR

33 **Transient Impotence after Transrectal Ultrasound-Guided Prostate Biopsy**

Ilker Akyol and Cuneyt Adayener

CASE REPORTS

35 **Protein-Losing Gastropathy with Hypertrophic Gastric Folds: Endosonographic Findings**

Daisuke Tsurumaru, MD, Satoru Masunari, MD, Takashi Utsunomiya, MD, PhD, Heihachirou Takano, MD, PhD, Shuji Matsuura, MD, PhD, Yunosuke Nishihara, MD, Takashi Yao, MD, PhD, Hiroyuki Irie, MD, PhD, and Hiroshi Honda, MD, PhD

39 **Villous Adenoma of Extrahepatic Bile Duct: Contrast-Enhanced Sonography Findings**

Hui-Xiong Xu, MD, PhD and Li-Da Chen, MD

42 **Sonographic Diagnosis of Inferior Mesenteric Artery Aneurysm and Marginal Artery of Drummond**

Asif A. Momin, MD, DNB, DMRD, DMRE, Nitin G. Chaubal, MD, DMRD, Shenaz G. A. Saifi, MD, DMRE, and Zubair N. Kazi, DNB, DMRE

45 **Sonographic Diagnosis of Uncomplicated First-Trimester Pregnancy in the Rudimentary Horn of a Unicornuate Uterus**

Kishor Taori, MBBS, MD, Bimal Kumar Saha, MBBS, Deepal Shah, MBBS, Narottam Khadaria, MBBS, Vijay Jadhav, MBBS, and Rajesh Jawale, MBBS

48 **Prenatal Diagnosis of Fetal Intra-abdominal Umbilical Vein Varix: Report of 2 Cases**

Ali İpek, MD, Aydın Kurt, MD, Özgür Tosun, MD, Mehmet Gümüş, MD, Kemal Rıdvan Yazıcıoğlu, MD, Elif Aşık, MD, and İsmet Taş, MD

51 **Prenatal Diagnosis of Atrial Septal Aneurysm**

Jeng-Hsiu Hung, MD, Jen-Her Lu, MD, and Chia-Yi Selena Hung, MPH

53 **Sonographic Appearance of Ruptured Ovarian Cyst in the Neonatal Period**

Thomas A. Gallagher, MD, Jennifer E. Lim-Dunham, MD, Aruna Vade, MD, Sara Smith, MD, Alia Salhadar, MD, and Kathleen A. Ward, MD

56 **Usefulness of Color Doppler Sonography and ^{99m}Tc-RBC Scintigraphy for Preoperative Diagnosis of a Venous Malformation of the Small Intestine in a 2-Year-Old Child**

Kiminobu Sugito, MD, PhD, Takeshi Kusafuka, MD, PhD, Mayumi Hoshino, MD, Mikiya Inoue, MD, Taro Ikeda, MD, PhD, Noritsugu Hagiwara, MD, and Tsugumichi Koshinaga, MD, PhD

Volume 36, Number 2, February 2008

RESEARCH ARTICLES

59 **Compressibility of Gastrointestinal Tract Tumors During Transabdominal Sonographic Examination: A Clue to the Diagnosis of Gastrointestinal Lymphoma**

Yasutomo Fujii, MD, PhD, Nobuyuki Taniguchi, MD, PhD, Harumi Koibuchi, MD, Yoshikazu Yasuda, MD, PhD, and Hideo Nagai, MD, PhD

63 Sonographic Examination of the Appendix in Acute Infectious Enteritis and Acute Appendicitis

Koichi Yabunaka, MS, Toshizo Katsuda, PhD, Shigeru Sanada, PhD, Hidetoshi Yatake, MS, and Tsunemasa Fukutomi, MD

67 Complications and Limitations Related to Periprostatic Local Anesthesia before TRUS-Guided Prostate Biopsy

Ahmet T. Turgut, MD, Esin Ölçücüoğlu, MD, Pınar Koşar, MD, Pınar Özdemir Geyik, PhD, and Uğur Koşar, MD

72 Ductus Venosus Blood Flow Resistance and Congenital Heart Defects in the Second Trimester

Jeng Hsiu Hung, MD, Chong Yau Fu, PhD, Jen-Her Lu, MD, and Chia-Yi Selena Hung, MPH

79 Difference in Migration of Placenta According to the Location and Type of Placenta Previa

Jeong Yeon Cho, MD, Young-Ho Lee, MD, Min Hoan Moon, MD, and Jung Ha Lee, RN, RDMS

85 Renal and Carotid Vascular Resistance Assessed with Doppler Sonography

Yuko Ohta, MD, Koji Fujii, MD, Setsuro Ibayashi, MD, Kiyoshi Matsumura, MD, Takuya Tsuchihashi, MD, Takanari Kitazono, MD, Hiroaki Ooboshi, MD, Masahiro Kamouchi, MD, Hideki Hirakata, MD, Toshiyasu Ogata, MD, Junya Kuroda, MD, and Mitsuo Iida, MD

PICTORIAL ESSAY

91 Sonography of Endometriosis in Infrequent Sites

Sung Bin Park, MD, MS, Jeong Kon Kim, MD, MS, and Kyoung-Sik Cho, MD, PhD

CASE REPORTS

98 Hypothenar Hammer Syndrome: Gray-Scale and Color Doppler Sonographic Appearances

Hakan Genchellac, MD, Mustafa Kemal Demir, MD, Ercüment Unlu, MD, Osman Temizöz, MD, and Hüseyin Özdemir, MD

101 Compression of Left Inferior Vena Cava: A Form of Nutcracker Syndrome

Suat Fitoz, MD and Fatos Yalcinkaya, MD

105 Hepatocellular Carcinoma Developing at the Puncture Site after Percutaneous Ethanol Injection

Jazon Almeida, MD, PhD, Maria Mesquita, MD, PhD, José Ferraz, MD, PhD, Ademar Yamanaka, MD, PhD, Cecília Escanhoela, MD, PhD, Ilka Fátima Boin, MD, PhD, Gustavo Pereira, MD, Tiago Pereira, MD, and Elza Soares, MD, PhD

108 Plantar Keratoderma as a Presenting Sign of Pancreatic Adenocarcinoma

Jose Luis Ulla, MD, Ignacio Garcia-Doval, MD, Celia Posada, MD, Santiago Soto, MD, Carlos Alvarez, MD, Luis Ledo, MD, and Enrique Vazquez-Astray, MD

110 Metastasis from a Primary Angiosarcoma of the Scalp to the Colon: Sonographic and CT Findings

Yasutomo Fujii, MD, PhD, Harumi Koibuchi-Yamaoka, MD, Nobuyuki Taniguchi, MD, PhD, Yoshikazu Yasuda, MD, PhD, and Hideo Nagai, MD, PhD

113 Chorioangioma of Placenta: Sonographic Features

Kishor Taori, MBBS, MD, Parag Patil, MBBS, Vinod Attarde, MBBS, Arpita Singh, MBBS, and Varsha Rangankar, MD

116 Antenatal Diagnosis of a Morgagni Hernia in the Second Trimester

Krishan Kumar Jain, MD, Jyotsna Sen, MD, Suresh Kanta Rathee, MS, and Jitender Saini, MD

119 Fetus with Osteogenesis Imperfecta Presenting as Increased Nuchal Translucency Thickness in the First Trimester

Charles Tsung-Che Hsieh, MD, Guang-Perng Yeh, MD, Hsin-Hung Wu, MD, Joung-Liang Wu, MD, Pan-Hsin Chou, MD, and Yueh-Min Lin, MD

123 Ectopic Pregnancy in a Cesarean Section Scar Treated With Intramuscular Methotrexate and Bilateral Uterine Artery Embolization

Erin L. Hois, BSc, John F. Hibbeln, MD, Marc J. Alonzo, MD, Meri E. Chen, MD, and Maija G. Freimanis, MD

Volume 36, Number 3, March/April 2008

RESEARCH ARTICLES

129 Sonographic Evaluation of Visceral Fat by Measuring Para- and Perirenal Fat

Satsuki Kawasaki, MD, PhD, Kazutaka Aoki, MD, PhD, Osamu Hasegawa, MD, PhD, Kazushi Numata, MD, PhD, Katsuaki Tanaka, MD, PhD, Naomi Shibata, MT, Sumiko Shimada, MT, Atsushi Okamura, MD, PhD, and Yasuo Terauchi, MD, PhD

134 Effects of Diffuse Fatty Infiltration of the Liver on Portal Vein Flow Hemodynamics

Ali Balci, MD, Sinem Karazincir, MD, Haldun Sumbas, MD, Yasemin Oter, MD, Ertugrul Egilmez, MD, and Tacettin Inandi, MD

141 The Role of Doppler Sonography in Predicting Severity of Acute Pancreatitis

Naile Bolca Topal, MD, Ekrem Kaya, MD, Ilker Ercan, PhD, Mir Ali Pourbagher, MD, and Ugur Topal, MD

148 Long-Term Effect of Varicocele Repair on Intratesticular Arterial Resistance Index

Ali Balci, MD, Sinem Karazincir, MD, Sadik Gorur, MD, Haldun Sumbas, MD, Ertugrul Egilmez, MD, and Tacettin Inandi, MD

153 Color Doppler Twinkling Artifact in Intrauterine Fetal Demise

Ayhan Ozkur, MD, Ebru Dikensoy, MD, Selim Kervancioglu, MD, Resat Kervancioglu, MD, Serhat İnalöz, MD, and Metin Bayram, MD

157 Effect of Preload Reduction on Sonographic Myocardial Integrated Backscatter

Andrzej Minczykowski, MD, PhD, Danuta Zaremba-Drobnik, MD, Irena Pietrzak, MD, PhD, Stanislaw Czekalski, MD, PhD, and Henryk Wysocki, MD, PhD

CASE REPORTS

166 Unusual Sonographic Findings in a Case of Atypical Medullary Inflammatory Carcinoma of the Breast

Verónica Sobrino-Mota, MD, Sandra Lagarejos-Bernardo, MD, Beatriz Varela-Mezquita, MD, Yolanda Castro, MD, Carmen Segura-González, MD, and Federico Pérez-Milán, MD, PhD

169 Sonographic Detection of Subcutaneous Fly Larvae in Human Myiasis

Joachim Richter, Marcus Schmitt, Irmela Müller-Stöver, Klaus Göbels, and Dieter Häussinger

174 Giant Renal Angiomyolipoma with Fatal Hemorrhage Due to a Large Pseudoaneurysm

Anand B. Gaikwad, DMRD, DMRE, DNB, Mathews Baby Madathil, MD, and Abhaykumar S. Kothari, MBBS, MCPS

177 Doppler Sonography in the Diagnosis of Round Ligament Varicosities During Pregnancy

Quyen H. Nguyen, BSc(Med) MBBS, FRACP and Simon M. Gruenewald, MB ChB, FRACP

180 Prenatal Diagnosis of Complete Atrioventricular Canal Associated with Tetralogy of Fallot

Jeng-Hsiu Hung, MD, Jen-Her Lu, MD, and Chia-Yi Selena Hung, MPH

186 Sonographic Appearance of a Postpartum Pyomyoma With Gas Production

Quyen H. Nguyen, BSc(Med), MBBS, FRACP and Simon M. Gruenewald, MB ChB, FRACP

189 Uterine Artery Pseudoaneurysm: Unusual Cause of Delayed Postpartum Hemorrhage

Cemil Gürses, MD, Saim Yılmaz, MD, Sabiha Bıyıklı, MD, İ. Okan Yıldız, MD, and Timur Sindel, MD

Volume 36, Number 4, May 2008

RESEARCH ARTICLES

193 **Nomograms of Fetal Thyroid Measurements Estimated by 2-Dimensional Sonography**

Lisandra Stein Bernardes, MD, Rodrigo Ruano, MD, PhD, Andreia David Sapienza, MD, Carlos Alberto Maganha, MD, and Marcelo Zugaib, MD, PhD

200 **Assessment of Renal Circulation in Small for Gestational Age and Appropriate for Gestational Age Term Newborns: A Prospective Study**

Hana Kolarovszka, Mirko Zibolen, Miroslav Stavel, Katarina Matasova, Branislav Kolarovszki, Martin Ciljak, and Tibor Baska

204 **Four-Dimensional Sonography with B-Flow Imaging and Spatiotemporal Image Correlation for Visualization of the Fetal Heart**

Toshiyuki Hata, MD, PhD, Shu-Yan Dai, MD, PhD, Eisuke Inubashiri, MD, Kenji Kanenishi, MD, PhD, Hirokazu Tanaka, MD, PhD, Toshihiro Yanagihara, MD, PhD, and Seiko Araki, RMS

208 **A Doppler Waveform Index to Characterize Hepatic Vein Velocity Pattern and Evaluate Hepatic Fibrosis**

Jan Fog Pedersen, MD, Lone Galmstrup Madsen, MD, Vibeke Andrée Larsen, MD, Ole Hamberg, MD, Thomas Horn, MD, Birgitte Federspiel, MD, and Peter Bytzer, MD

212 **Sonography: An Underutilized Diagnostic Tool in the Assessment of Metastatic Groin Nodes**

Ravula Phani Krishna, MS, Sarath Chandra Sistla, MS, Robinson Smile, MS, and R. Krishnan, MD, DNB

218 **Abdominal Aortic Wall Motion of Healthy and Hypertensive Subjects: Evaluation of Tissue Doppler Velocity Imaging**

Ying Huang, MD, Bing Hu, MD, Pin-Tong Huang, MD, Hai-Yan Sun, MD, and Jia-An Zhu, MD

CASE REPORTS

226 **Sonographically Guided Excisional Biopsy of Small Abdominal Wall Masses Using Vacuum-Assisted Biopsy Device**

Noh Hyuck Park, MD, En Ja Lee, MD, Mi Sung Kim, MD, Chan Sup Park, MD, and Jeong A. Ryu, MD

229 **Mammary Duct Ectasia in Infant Breast with Bloody Nipple Discharge: Sonographic Findings**

Ilkay Koray Bayrak, Turkay Yalin, Mehmet Selim Nural, and Meltem Ceyhan

231 Prenatal Sonographic Features of Trisomy 1q

Joseph R. Wax, MD, Molly Carpenter, MS, Renée Chard, MS, Angelina Cartin, Michael G. Pinette, MD, and Jacquelyn Blackstone, DO

237 Gastric Bronchogenic Cyst Diagnosed by Endosonographically Guided Fine Needle Aspiration Biopsy

Masaki Sato, MD, Atsushi Irisawa, MD, PhD, Manoop S. Bhutani, MD, Vicki Schnadig, MD, Tadayuki Takagi, MD, Goro Shibukawa, MD, Takeru Wakatsuki, MD, PhD, Hidemichi Imamura, MD, Yuta Takahashi, MD, Ai Sato, MD, Takuto Hikichi, MD, Katsutoshi Obara, MD, PhD, Yuko Hashimoto, MD, PhD, Kazuo Watanabe, MD, PhD, and Hiromasa Ohira, MD, PhD

240 Leiomyoma of the Testis: A Rare Testicular Mass

Julie O'Brien, MB BCh BAO, MRCPI, Barbara Loftus, MB BCh BAO, Ciara Barrett, MB BCh BAO, MRCPI, and William Torreggiani, MB BCh BAO, FFRCSI

243 Cystic Parathyroid Adenoma within a Multinodular Goiter: A Rare Cause of Primary Hyperparathyroidism

Milan Halenka, MD, PhD, Zdenek Frysak, MD, CSc, Pavel Koranda, MD, PhD, and Ladislava Kucerova, MD

247 Sonographic Appearance of a Partial Rupture of the Supinator Muscle

Chih-Chun Chen, MD, Hong-Jen Chiou, MD, Chung-Lan Kao, MD, PhD, and Rai-Chi Chan, MD

251 Role of Power Doppler Sonography in Early Diagnosis of Osteomyelitis in Children

Paz Collado, MD, PhD, Esperanza Naredo, MD, Cristina Calvo, MD, and Manuel Crespo, MD

254 Intravascular Ultrasound-Guided Central Vein Angioplasty and Stenting without the Use of Radiographic Contrast Agents

Ray Matthews, MD and Joseph Thomas, MD

Volume 36, Number 5, June 2008

RESEARCH ARTICLES

257 Contrast-Enhanced Sonography in the Diagnosis of Small Hepatocellular Carcinoma ≤2 cm

Hui-Xiong Xu, MD, PhD, Xiao-Yan Xie, MD, PhD, Ming-De Lu, MD, DMSc, Guang-Jian Liu, MD, Zuo-Feng Xu, MD, Yan-Lin Zheng, MD, Jin-Yu Liang, MD, and Li-Da Chen, MD

267 Crohn's Disease and Color Doppler Sonography: Response to Treatment and Its Relationship with Long-Term Prognosis

Tomás Ripollés, María J. Martínez, and María M. Barrachina

273 Three-Dimensional Sonographic Measurement of Contralateral Lung Volume in Fetuses with Isolated Congenital Diaphragmatic Hernia

Rodrigo Ruano, MD, PhD, Marie-Cécile Aubry, MD, Bruno Barthe, MD, Yves Dumez, MD, Marcelo Zugaib, MD, PhD, and Alexandra Benachi, MD, PhD

279 Metastases to Intramammary Lymph Nodes in Patients with Breast Cancer: Sonographic Findings

Beth S. Edeiken-Monroe, MD, Douglas P. Monroe, MD, Brett J. Monroe, MD, Kristine Arnljot, MB, BCh, BAO, Maria Giaccomazza, MD, Nour Sneige, MD, and Bruno D. Fornage, MD

286 Diagnostic Accuracy of Endometrial Thickness to Exclude Polyps in Women with Postmenopausal Bleeding

Anne Timmermans, MD, Maaike B.E. Gerritse, MD, Brent C. Opmeer, PhD, Frank W. Jansen, MD, PhD, Ben W. J. Mol, MD, PhD, and Sebastiaan Veersema, MD

291 Transthoracic Echocardiography for Suspected Pulmonary Embolism in the Intensive Care Unit: Unjustly Underused or Rightfully Ignored?

S. Peter Stawicki, MD, Mark J. Seamon, MD, Denise M. Meredith, MSN, CRNP, John Chovanes, DO, Anna Paszczuk, MD, Patrick K. Kim, MD, and Vicente H. Gracias, MD

CORRESPONDENCE

303 Comment on "Transcranial Doppler Ultrasonographic Evaluation of Cerebral Circulation during Passive Tilting in Patients with Parkinson's Disease"

Vijay K. Sharma, MRCP, RVT, and Bernard P.L. Chan, MRCP

CASE REPORTS

305 Antenatal 3-Dimensional Sonographic Diagnosis of Fetal Oropharyngeal Teratoma

Chander Lulla, MD, Amogh Hegde, MD, and Priya Thakur, DNB

308 Prenatal 3-Dimensional Sonographic and MRI Findings in Omphalocele–Exstrophy–Imperforate Anus–Spinal Defects Complex

Chih-Ping Chen, MD, Tung-Yao Chang, MD, Yu-Peng Liu, MD, Fuu-Jen Tsai, MD, Shu-Chin Chien, MD, Chien-Ming Tsao, MD, Hsiao-Bai Yang, MD, and Wayseen Wang, MS

312 Fetal Meconium Peritonitis Complicated with Bacterial Infection

Zhong Yanfang, MD, Hong Chun, MD, Wang Limin, MD, Zeng Li, MD, Lin Zhu, MD, and Huang Huamei, MD

315 Fryns Syndrome: Case Report and Review of the Literature

Gulseren Yucesoy, MD, Yigit Cakiroglu, MD, and Eray Caliskan, MD

318 Large Retroperitoneal Schwannoma Mimicking a Cystic Ovarian Mass in a Patient With Hansen's Disease

Narayanam R.S. Surendrababu, DMRD, DNB, Sucy Rekha Cherian, DMRD, DNB, Rajinikanth Janakiraman, MS, DNB, MRCS(Edin), and Noel Walter, MD, FRCPath

321 Massive Arm Edema Following Arteriovenous Dialysis Shunt Creation in a Patient With Ipsilateral Permanent Pacemaker

James Maher, MD, Abel Rivero, MD, Sina Zaim, MD, Peter J. Pappas, MD, Nicos Labropoulos, PhD, DIC, RVT, Marc Klapholz, MD, and Muhamed Saric, MD, PhD

Volume 36, Number 6, July/August 2008

RESEARCH ARTICLES

325 Sonographic Appearances of the Normal Ulnar Nerve in the Cubital Tunnel

Ersin Ozturk, MD, Guner Sonmez, MD, Ahmet Çolak, MD, H. Onur Sildiroglu, MD, Hakan Mutlu, MD, Mehmet Guney Senol, MD, C. Cinar Basekim, MD, and Esref Kizilkaya, MD

330 Sonographic Diagnosis of Fibromatosis

Yuexiang Wang, MD, Jie Tang, MD, and Yukun Luo, MD

335 Early Changes in Renal Hemodynamics in Children with Diabetes: Doppler Sonographic Findings

Piernicola Pelliccia, MD, Alessandra Savino, MD, Cristina Cecamore, MD, Alessandra Primavera, MD, Cosima Schiavone, MD, and Francesco Chiarelli, MD, PhD

341 Doppler Sonography of the Superior Mesenteric Artery in Children with Recurrent Abdominal Pain

Asli Koktener, MD, Ayse Esra Yilmaz, MD, Ferat Catal, MD, and Sancar Eminoglu, MD

346 Contrast-Enhanced Sonographic Characteristics of Neovascularization in Carotid Atherosclerotic Plaques

Pin-tong Huang, MD, Fu-guang Huang, MD, Chun-peng Zou, MD, Hai-yan Sun, MD, Xin-qiao Tian, MD, Yan Yang, MD, Ji-fei Tang, MD, Peng-lin Yang, MD, and Xiao-tong Wang, MD

REVIEW

352 Sonography in First Trimester Bleeding

Manjiri Dighe, MD, Carlos Cuevas, MD, Mariam Moshiri, MD, Theodore Dubinsky, MD, and Vikram S. Dogra, MD

CORRESPONDENCE

367 Sonographic Characteristics of Intramural Bowel Hematoma

Peter Rauh, Christine Uhle, MD, Daniel Ensberg, Steffen Rickes, MD, Klaus Mönkemüller, MD, Lucia Fry, MD, and Peter Malfertheiner, MD

CASE REPORTS

369 An Unusual Case of a Glomus Tumor Developing in a Subcutaneous Vein of the Wrist

Harumi Koibuchi, MD, Yasutomo Fujii, MD, PhD, and Nobuyuki Taniguchi, MD, PhD

371 Sonographic Diagnosis of the Entrapment of the Flexor Digitorum Profundus Tendon Complicating a Fracture of the Index Finger

Tarun Pandey, MBBS, MD, DNB, MNAMS, FRCR, Salwa Ramadan Al Kandari, FFR-RCSI, and Salem Awad Al Shammari, MD

374 Sonographic Diagnosis of Spontaneous Intramural Small Bowel Hematoma in a Case of Warfarin Overdose

Sheng-Wen Hou, MD, Chien-Chih Chen, MD, Kuo-Chih Chen, MD, Shih-Yu Ko, MD, Chung-Shun Wong, MD, and Chee-Fah Chong, MS, MD

377 Timing of Doppler Examination for the Detection of Arteriovenous Fistula after Percutaneous Renal Biopsy

Chih-Yu Yang, Ming-Yu Lai, Cheng-Lang Lu, Hsiuo-Shan Tseng, Hong-Jen Chiou, Wu-Chang Yang, Yee-Yung Ng

381 Iatrogenic Abscess at Uterine Incision Site After Cesarean Section: Sonographic Monitoring

Fu-Nan Cho, MD

384 Early Antenatal Diagnosis of Spina Bifida Presenting with a "Step" in the Posterior Contour of an 8-Week Embryo

Chander Lulla, MD, Amogh Hegde, MD, Jatin Shah, MD, and Jayesh Sheth, MD

387 Association Between X-Linked Lissencephaly with Ambiguous Genitalia Syndrome and Lenticulostriate Vasculopathy in Neonate

Mateusz Jagła, MD, Piotr Kruczek, MD, PhD, and Przemko Kwinta, MD, PhD

Volume 36, Number 7, September 2008

RESEARCH ARTICLES

391 Three-dimensional Sonography of the Placental and Uterine Spiral Vasculature: Influence of Maternal Age and Parity

Ivica Zalud, MD, PhD, FACOG, FAIUM and Steven Shaha, PhD

397 Improved Prenatal Aneuploidy Screening using the Novel Advanced First-Trimester Screening Algorithm: A Multicenter Study of 10,017 Pregnancies

Peter Schmidt, MD, Cindy Hörmansdörfer, MD, Michael Pruggmayer, MD, Christian Schütte, MD, Armin Neumann, MD, Andreas Gerritzen, MD, Bernhard Vaske, Peter Hillemanns, MD, and Alexander Scharf, MD

403 Ovarian Stromal Blood Flow Following Clomiphene Citrate Challenge Test in Infertile Women

Ernest Hung Yu Ng, MD, Oi Shan Tang, MD, Carina Chi Wai Chan, MBBS, and Pak Chung Ho, MD

409 Preoperative Sonography of Nonreducible Inguinal Masses in Girls

Adnan Narcı, MD, Mevlit Korkmaz, MD, Ramazan Albayrak, MD, Selami Sözübir, MD, Bekir Haluk Güvenç, MD, Reşit Köken, MD, Tevfik Demir, MD, and Ömer Doğru, MD

413 Sonographic Findings of Healthy Volunteers Infected with Dengue Virus

John Statler, MD, Mammen Mammen, MD, Arthur Lyons, MD, and Wellington Sun, MD

418 Paratracheal Lymph Nodes: A New Sonographic Finding in Autoimmune Thyroiditis

Xavier Serres-Créixams, MD, PhD, Ignasi Castells-Fusté, MD, Xavier Pruna-Comella, MD, PhD, Victorina Yetano-Laguna, MD, Victòria Garriga-Farriol, MD, and Elena Gallardo-Agromayor, MD

422 Detection of Microembolic Signals Using Power M-Mode Doppler Sonography in Acute Stroke Patients with Intracranial Artery Stenosis

Teng-Yeow Tan, MD and Ting-Yao Chen, MD

CURRENT PRACTICE

427 Human and Software Error in Ductus Venosus Doppler Waveform Analysis

Norbert Szunyogh, MD, PhD, Caroline Renate Becker, MD, and Jozef Visnovsky, MD, PhD

LETTER TO THE EDITOR

430 Psoas Muscle Cysticercosis Presenting As Acute Appendicitis

Amit Mittal, MD and N. S. Sharma, MS

CASE REPORTS

432 Pulsatile Tinnitus in a Case of Traumatic Temporal Extradural Arteriovenous Fistula: Carotid Duplex Sonography Findings before and after Embolization

Teng-Yeow Tan, MD, Yun-Yu Lin, MD, Ulf Schminke, MD, and Ting-Yao Chen, MD

437 Lymphoma Presenting as an Echogenic Periportal Mass: Sonographic Findings

Honsoul Kim, MD, Ki Whang Kim, MD, Mi-Suk Park, MD, and Hyunki Kim, MD

440 Pseudoaneurysm of the Breast after Blunt Trauma: Successful Treatment with Ultrasound-Guided Compression

Azmy M. Al Hadidy, MD, FRCR, Mahasen S. Al Najar, MD, Ghassan R. Farah, MD, FRCS, and Emad S. Tarawneh, MD, FFR

443 Ectopic Intrathyroidal Thymus Misdiagnosed as a Thyroid Nodule: Sonographic Appearance

Stylianos Megremis, MD, PhD, Eftichia Stiakaki, MD, PhD, Ioanna Tritou, MD, Ingrid Elizabeth Bonapart, MD, and Amalia Tsilimigaki, MD

448 Sonographic Appearance of Angiolymphoid Hyperplasia with Eosinophilia in the Upper Arm

Chee-Wai Mak, MD, Wen-Sheng Tzeng, MD, Chin-Yu Chen, MD, MS, Chung-Kuao Chou, MD, MS, and Ching-Nan Lin, MD

451 Warfarin-Induced Fetal Intracranial Subdural Hematoma

Kamal Oswal, MD and Ajay Agarwal, MD, DNB

454 Placental Mesenchymal Dysplasia Associated with Trisomy 13: Sonographic Findings

Ercüment Müngen, MD, Özgür Dundar, MD, Murat Muhcu, MD, Aptullah Haholu, MD, and Yusuf Tunca, MD

Volume 36, Number 8, October 2008

RESEARCH ARTICLES

457 Feasability of Human Endobronchial Imaging with a Linear-Array Ultrasound Catheter

François Tranquart, MD, PhD, Peggy Palanchon, PhD, Odile Cladé, PhD, Aurore Bleuzen, MD, Dominique Dinet, PhD, Pascal Magro, MD, and Patrice Diot, MD, PhD

462 **Thickening of the Gastric Wall on Transabdominal Sonography: A Sign of Gastric Cancer**

Ki Tae Suk, MD, Dae Wook Lim, MD, Moon Young Kim, MD, Dong Hun Park, MD, Kyu Hong Kim, MD, Jung Min Kim, MD, Jae Woo Kim, MD, Hyun Soo Kim, MD, Sang Ok Kwon, MD, Soon Koo Baik, MD, and Sung Jin Park, MD

467 **Sonographic Evaluation of Gallbladder Contractility in Patients with Spinal Cord Injury**

Mauro Nakayama, MD, PhD, Daniel G.F. Távora, MD, Rômulo L. Gama, MD, and Cruiff E.P. Silva

472 **Extracranial and Intracranial Vertebral Artery Dissection: Long-term Clinical and Duplex Sonographic Follow-up**

Tiemo Wessels, MD, Maria Mosso, MD, Timo Krings, MD, Christof Klötzsch, MD, and Judith U. Harrer, MD

480 **Internal Jugular Vein Valve Incompetence in COPD and Primary Pulmonary Hypertension**

Florian Doepp, MD, Dieter Bähr, MD, Matthias John, MD, Sören Hoernig, MD, José M. Valdueza, MD, and Stephan J. Schreiber, MD

485 **Evaluation of Retinal Abnormalities in Essential Hypertension: Qualitative Fundoscopy versus Central Retinal Artery Resistance Index as Indicators of Target Organ Damage**

Francesco Natale, MD, Michele Adolfo Tedesco, MD, PhD, Rosa Mocerino, MD, Guido Tassinario, MD, Salvatore Morra, MD, Genny Rinaldi, MD, Giovanni Gregorio, MD, and Raffaele Calabrò, MD

CASE REPORTS

492 **Contrast-Enhanced Sonography of a Hepatocellular Carcinoma Undergoing Spontaneous Necrosis**

Andrea Giannetti, MD, Marco Corsetti, MD, Sergio Quaranta, MD, and Luca Franci, MD

497 **Postnephrectomy Fistula between the Renal Artery Stump and Inferior Vena Cava Treated with Amplatzer Vascular Plug: Gray-Scale and Doppler Sonographic Findings**

Manish Taneja, MD, Vasanthan Metupalle, MD, Tay Kiang Hiong, MD, Tan Bien Soo, MD, and Austin Htoo, MD

500 **Renal Artery Aneurysm in a Solitary Kidney**

Rosario Cianci, MD, Gilda Stivali, MD, Alvaro Zaccaria, MD, Biagio Barbano, MD, Palma Bianco, MD, and Franca Cerroni, MD

504 **First-Trimester Diagnosis of Cesarean Scar Ectopic Pregnancy**

Elysia Moschos, MD, Sreedevi Sreenarasimhaiah, MD, and Diane M. Twickler

512 Two Cases of Pregnant Women with Ovarian Endometrioma Mimicking a Malignant Ovarian Tumor

Shozo Yoshida, MD, PhD, Akira Onogi, MD, Hiroshi Shigetomi, MD, Yoriko Tsuji, MD, Shoji Haruta, MD, Katsuhiko Naruse, MD, PhD, Seiji Kanayama, MD, Taketoshi Noguchi, MD, Mariko Sakata, MD, Naoto Furukawa, MD, PhD, Toshiyuki Sado, MD, PhD, Yoshihiko Yamada, MD, PhD, Takashi Kitanaka, MD, PhD, Hidekazu Oi, MD, PhD, and Hiroshi Kobayashi, MD, PhD

517 Sonographic Findings of Necrotizing Fasciitis in the Breast

Muhammad A. Hanif, MRCS and Michael J. Bradley, FRCR

520 Sonography of Dermatofibrosarcoma Protuberans of the Groin

Thomas Kau, MD, Gerald Lesnik, MD, Gerald Arnold, MD, and Klaus Armin Hausegger, MD

523 Pleurocutaneous Fistula After Tube Thoracostomy: Sonographic Findings

Ming-Tzer Lin, MD, Jin-Yuan Shih, MD, PhD, Yung-Chie Lee, MD, PhD, and Pan-Chyr Yang, MD, PhD

Volume 36, Number 9, November/December 2008

PICTORIAL ESSAY

527 Color Doppler Sonography of Intrahepatic Vascular Shunts

Michele Bertolotto, MD, Carlo Martinoli, MD, Vincenzo Migaleddu, MD, Stefano Cernic, MD, and Roberta Zappetti, MD

RESEARCH ARTICLES

539 Sonographic Assessment of Uterine and Ovarian Development in Normal Girls Aged 1 to 12 Years

Maria Badouraki, MD, Athanasios Christoforidis, MD, PhD, Ippoliti Economou, MD, PhD, Athanassios S. Dimitriadis, MD, PhD, and George Katzos, MD, PhD

545 Combined Local and Systemic Methotrexate Treatment of Viable Ectopic Pregnancy: Outcomes of 31 Cases

Noam Smorgick, MD, MSc, Zvi Vaknin, MD, Moti Pansky, MD, Reuvit Halperin, MD, PhD, Arie Herman, MD, and Ron Maymon, MD

551 Evaluation of Sonographic Diagnostic Criteria for Placenta Accreta

Hong Soo Wong, Ying Kei Cheung, Jane Zuccollo, John Tait, and Kevin C. Pringle

CURRENT PRACTICE

560 Evaluation of Focal Fatty Infiltration of the Liver Using Color Doppler and Contrast-Enhanced Sonography

Li-Ping Liu, MD, Bao-Wei Dong, MD, Xiao-Ling Yu, MD, Da-Kun Zhang, MD, Chun-Song Kang, MD, and Xi-Hai Zhao, MD

CASE REPORTS

567 Breast Filariasis: Real-Time Sonographic Imaging of the Filarial Dance

Narayanam R.S. Surendrababu, DMRD, DNB, Elsa Thomas, MD, Janakiraman Rajinikanth, MS, DNB, MRCS(Edin), and Shyamkumar N. Keshava, DMRD, DNB, FRCR

570 Intramuscular and Subcutaneous Sparganosis: Sonographic Findings

Hee Young Kim, MD, Chang Ho Kang, MD, Jung Hyuk Kim, MD, Soon-Hyuck Lee, MD, Si Young Park, MD, and Sung Weon Cho, MD, PhD

573 3D and 4D Sonographic Imaging of Amniotic Band Syndrome in Early Pregnancy

Eisuke Inubashiri, MD, Uiko Hanaoka, MD, PhD, Kenji Kanenishi, MD, PhD, Chizu Yamashiro, MD, PhD, Hirokazu Tanaka, MD, PhD, Toshihiro Yanagihara, MD, PhD, and Toshiyuki Hata, MD, PhD

576 Prenatal Ultrasonographic Features of Joubert Syndrome

Halil Aslan, MD, Kemal Gungorduk, MD, Gokhan Yildirim, MD, Yusuf Olgac, MD, and Yavuz Ceylan, MD

581 Hypospadias Mimicking Female Genitalia on Early Second Trimester Sonographic Examination

Marwan Odeh, MD, Ella Ophir, MD, and Jacob Bornstein, MD, MPA

584 Duodenal Duplication Cyst: A Rare Cause of Acute Pancreatitis in Children

Alper Ozel, MD, Ender Uysal, MD, Oznur Tufaner, MD, Sukru Mehmet Erturk, MD, Mehmet Yalcin, MD, and Muzaffer Basak, MD